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What is claimed is:

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1. A one layer coating system for coating a substrate comprising a fluorinated copolymer having the formula

VF₂/TFE/HFP

wherein the molar ratio of TFE to HFP is between 0.1 and 1.9 and the VF_2 content is 47-60%.

- 2. The coating system of Claim 1 wherein the VF₂ content is greater than 50% to 60 mole %.
- 3. The coating system of Claim 2 wherein the substrate is selected from the group consisting of PMMA, PC, PET, PS and glass.
- 4. The coating system of Claim 1 wherein the VF₂ content is 47 to 60 mole %, the molar ratio of TFE to HFP is between 0.1 and 1.9, and the substrate is PMMA.
- 5. The coating system of Claim 1 wherein the VF₂ content is 47 to 50 mole %, the molar ratio of TFE to HFP is between 0.9 and 1.9, and the substrate is selected from the group consisting of PET, PC and glass.
- 6. The coating of Claim 1 wherein the thickness of the coating is between 10 nm and 1000 nm.
- 7. The coating of Claim 6 wherein the thickness of the coating is between 70 nm and 120 nm
- 8. A one layer coating system for coating a substrate consisting essentially of a fluorinated copolymer having the formula

VF₂/HFP

wherein the VF₂ content is about 40-80%.

- 9. The coating system of Claim 8 wherein the VF₂ content is about 40 50% and the substrate is PMMA.
- The coating system of Claim 8 wherein the VF₂ content is about 70 - 80% and the substrate is glass.
- 11. The coating of Claim 8 wherein the thickness of the coating is between 10 nm and 1000 nm.
- 12. The coating of Claim 11 wherein the thickness of the coating is between 70 nm and 120 nm.

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13. A one layer coating system for coating a substrate comprising a fluorinated copolymer having the formula

VF2/TFE/PMVE

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wherein the VF₂ content is about 18-60 mole % and the TFE/PMVE mole ratio is about 0.1-1.9.

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14. The coating system of Claim 13 wherein the VF₂ content is about 30-35 mole %, the TFE/PMVE mole ratio is about 0.2-0.3 and the substrate is PMMA.

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15. The coating of Claim 13 wherein the thickness of the coating is between 10 nm and 1000 nm.

16. The coating of Claim 15 wherein the thickness of the coating is between 70 nm and 120 nm.

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